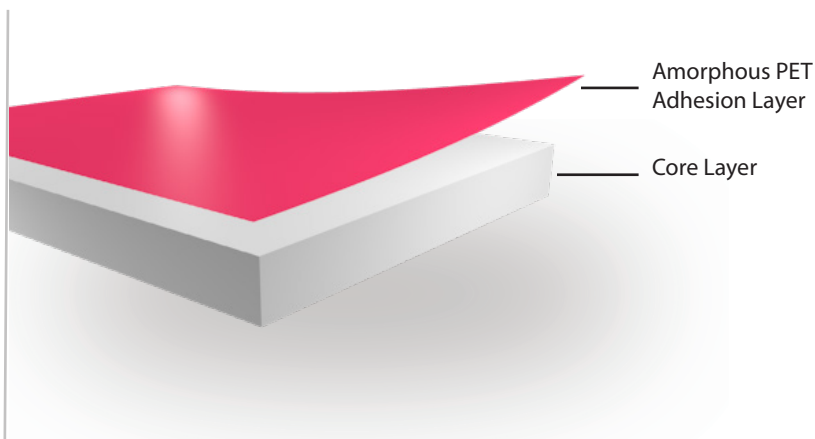


# LUMIRROR® PA10

## Applications

- Printing
- Laminating



Lumirror PA10

TWO LAYER PET FILM,  
ONE SIDE FOR ADHESION  
PROMOTION

## Summary

PA10 is a plain transparent asymmetrical polyester film with one side modified to improve printing and laminating adhesion in packaging.

## Technical Data \*

PROPERTIES		METHOD	UNITS	TYPICAL VALUES						
Thickness		-	0.00001"	25	32	36	44	48	92	142
Nominal Yield		-	in <sup>2</sup> /lb	79,100	61,800	55,700	44,900	41,200	21,500	13,900
F-5	MD	ASTM D882	lb/in <sup>2</sup>	15,200	15,800	15,600	15,600	15,600	15,200	15,100
	TD			13,500	14,400	14,400	14,500	14,500	14,800	14,900
Tensile Strength at Break	MD	ASTM D882	lb/in <sup>2</sup>	37,700	39,700	40,300	40,700	40,700	34,700	31,400
	TD			34,600	36,300	36,100	36,700	36,700	39,400	36,400
Young's Modulus	MD	ASTM D882	lb/in <sup>2</sup>	547,600	743,900	738,200	733,900	733,900	669,900	627,200
	TD			624,400	732,500	739,600	749,600	749,600	739,600	705,500
Elongation at Break	MD	ASTM D882	%	90	100	100	110	110	150	160
	TD			100	110	110	120	120	120	120
Heat Shrinkage (150°C for 30 minutes)	MD	ASTM D1204	%	2.8	2.4	2.4	2.2	2.2	1.9	1.9
	TD			1.6	1.4	1.1	1.0	1.0	0.6	1.0
Coefficient of Friction	A-side vs. B-side	ASTM D1894	μ <sub>s</sub>	0.8	0.6	0.5	0.4	0.4	0.4	0.3
			μ <sub>b</sub>	0.7	0.5	0.5	0.4	0.4	0.3	0.2
Haze (1 sheet)		ASTM 1003	%	2.9	3.2	3.3	3.6	3.6	5.7	6.9
MVTR - 100 °F, 90% RH		ASTM F1249	g/100in <sup>2</sup> /day	5.6	4.4	3.9	3.2	2.9	1.4	1.0
O <sub>2</sub> Barrier - 73 °F, 0% RH		ASTM D3985	cc/100in <sup>2</sup> /day	15.4	12.0	11.0	9.0	8.0	4.0	2.7

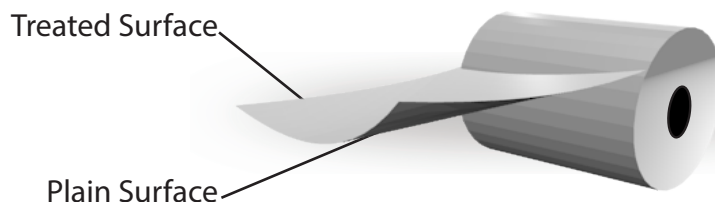
### Key Features

- Excellent mechanical properties
- Good machinability due to surface roughness properties
- Improved adhesion of inks, adhesives, cohesives and polyethylene on the modified surface
- Excellent dimensional stability at higher temperatures
- Complies with US FDA 21 CFR 177.1630 requirements for food packaging applications
- Drug Master File listed #17749

### Similar Products

- PA66
- PA15
- PA25

### Winding Direction



\* These values do not constitute specific binding specifications

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